

Classwork 11
Intermediate Algebra MTH 35
Topic: Logarithm

Name: _____

Evaluate the expressions:

1. $\log_9 81$

ANSWER

2. $\log_2 16$

ANSWER

3. $\log_9 \sqrt{3}$

ANSWER

4. $2^{\log_2 7}$

ANSWER

5. $\log_5 \frac{1}{25}$

ANSWER

Use definition of logarithm to find x :

6. $\log_3 x = 2$

ANSWER

7. $\log_4 x = 2$

ANSWER

8. $\log_x 8 = 3/2$

ANSWER

9. $\log_2(2x - 1) = 3$

ANSWER

10. $\log_2 x + \log_2 3x = 4$

ANSWER